

**AUTOMATIC IDENTIFICATION
TECHNOLOGY
(AIT)
IN-TRANSIT VISIBILITY
(ITV)
UPDATE**



**SDDC CONFERENCE - USMC TACK-ON
4 May 2006**

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Agenda

- AIT Definition - Interpretation**
- OSD/DoD/DoN AIT Policy
- USMC Interim AIT Policy Messages
- On-going AIT Initiatives
- ITV Initiatives



AIT Definition - Interpretation

AIT: a suite of technologies (bar codes, optical memory card (OMC), radio frequency identification (RFID), contact memory button (CMB), and integrated circuit card that enables the automatic capture of source data, thereby enhancing the ability to identify, track, document, and control deploying and redeploying forces, equipment, personnel and sustainment cargo.

AIT Leads: The application of putting data onto or represented by an AIT media (*i.e.*, printing the bar codes on the MSL).

Business Process Owners: The application/process of extracting information from an AIT media to satisfy a particular business process event (*i.e.*, scanning MSL).



Agenda

- AIT Definition – Interpretation
- OSD/DoD/DoN AIT Related Policy**
- USMC AIT Policy (Interim)
- On-going AIT Initiatives
- ITV Initiatives



OSD/DoD/DoN AIT Related Policies

- ✓ **DoD 4000.25-1-M; Military Standard Requisitioning and Issue Procedures (MILSTRIP)** - Requires linear and 2D bar codes on DD Form 1348-1A (Issue Release Receipt Document (IRRD))
- ✓ **DoD 4500.9-R-Part 2/3, Defense Transportation Regulation** - Requires a linear and 2D MSL for sustainment and unit move shipments entering the organic distribution system
- ✓ **OUSD (AT&L) memo 2 Oct 03 - Radio Frequency**



OSD/DoD/DoN AIT Related Policies

- ✓ **OUSD (AT&L) memo 2 Oct 03 - Radio Frequency Identification Policy (Passive Tags)** - Requires suppliers to put passive RFIDs on every possible piece part/case/pallet packaging by Jan 05.
- ✓ **OUSD (AT&L) memo 29 July 2003, Policy for Unique Identification of Tangible Items - New Equipment, Major Modifications, Reprocurements of Equipment and Spares.** The policy states that a mandatory requirement for all property items delivered to the government if any of the following conditions are met: (1) the acquisition cost is \$5,000 or more, (2) it is either a serial number item, a mission essential or controlled inventory piece of equipment or a component of such, or a consumable item or material where permanent identification is required, (3) it is a component of a delivered item, if the program manager requires that unique identification is required, or (4) a UID or a DoD-recognized equivalent (VIN, ESN, etc.).
- ✓ **SECNAVINST 7320.10A, Department of the Navy Personal Policies and Procedures** - All personal property recorded in the property system shall be bar coded within seven days of receipt.



OSD/DoD/DoN AIT Related Policy

- **(Draft) SECNAVINST 5230.1 - Management of Automatic Identification Technology (AIT) In The Department Of The Navy (DoN) of Jun 2004 –**
 - Defines the management responsibility of AIT within DoN and outlines specific Service responsibilities.

- Directed the Services to publish a separate Policy



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USMC Interim AIT Policy Mess

- No single document incorporates all DoD/DoN AIT policies into one MCO
- Guidance - Release a series of separate messages address each of the DoD/DoN AIT requirements:
 1. **Active RFID** (see handout)
 2. MSL (DD Form 1387)
 3. IRRD (DD 1348-1A) ([found excel spreadsheet that will produce linear bar codes; working with creator to fix third bar code error](#))
 4. UID
 5. Personal Property
 6. Passive RFID
 7. Roles and Responsibilities



USMC Interim AIT Policy Message

- All messages will form the basis for a future USMC AIT Order
- Messages will not cover business process; detailed business processes should be incorporated in process orders



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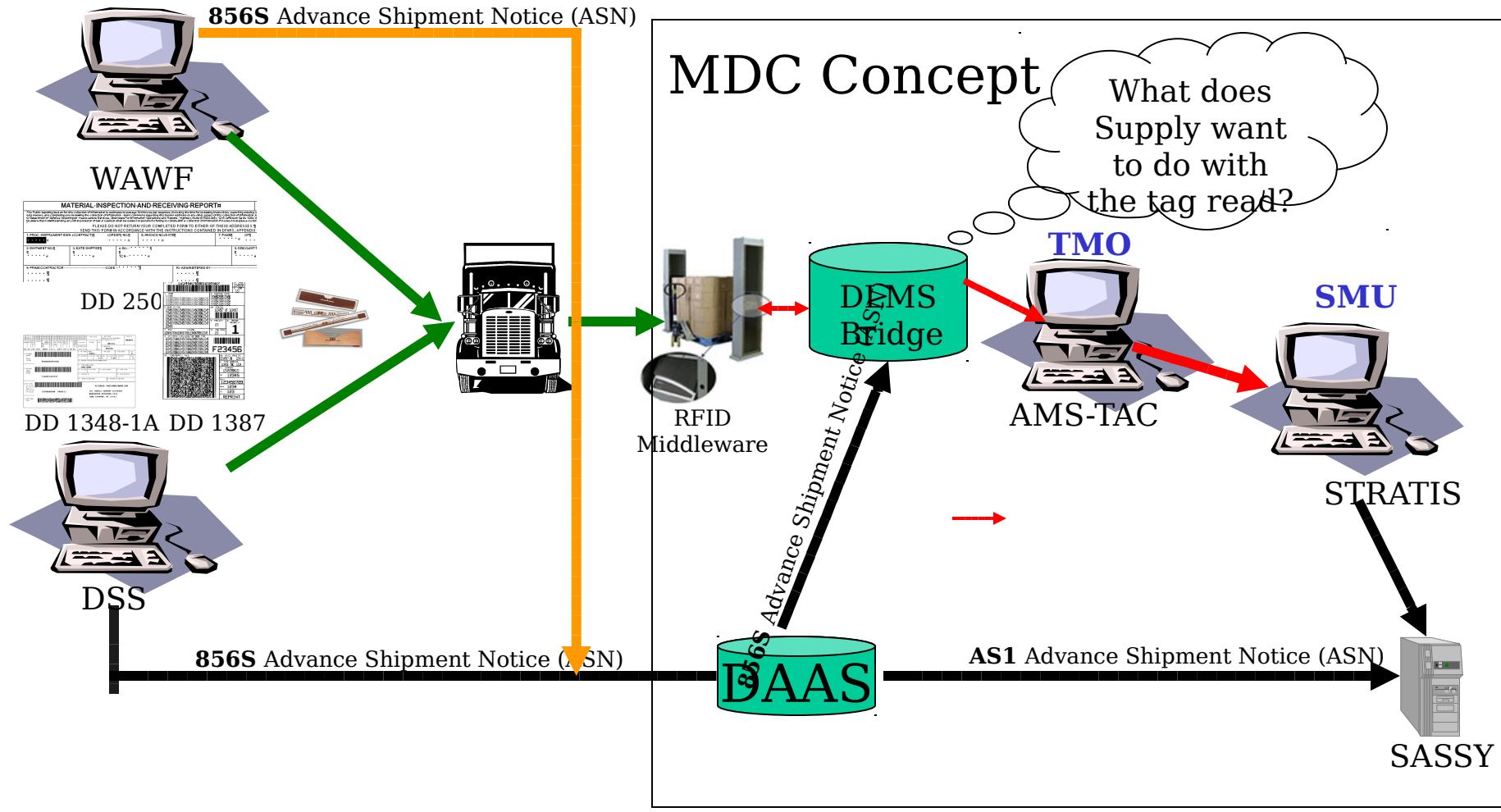
On-going AIT Initiatives

- **AIT Website** – MARCORSYSCOM developing and should be launched late May 06
- **Active RFID Migration to ISO** - Changes include the migration of active RFID tag identifiers from the current 22-bit to a 32-bit coding sequence and incorporation of the ISO/IEC 15418 and ISO/IEC 15434 (a.k.a. MH10) data semantics/syntax into the active RFID tag media. The time line for completion of required system modifications is approximately two years.
- **Passive RFID**
 - Supplemental funding coming to initiate passive RFID pilot at a USMC base
 - Requires TMO participation as first government entity to touch materiel (must define what role does TMO play)



On-going AIT Initiatives

Passive RFID Flow (All Unit)

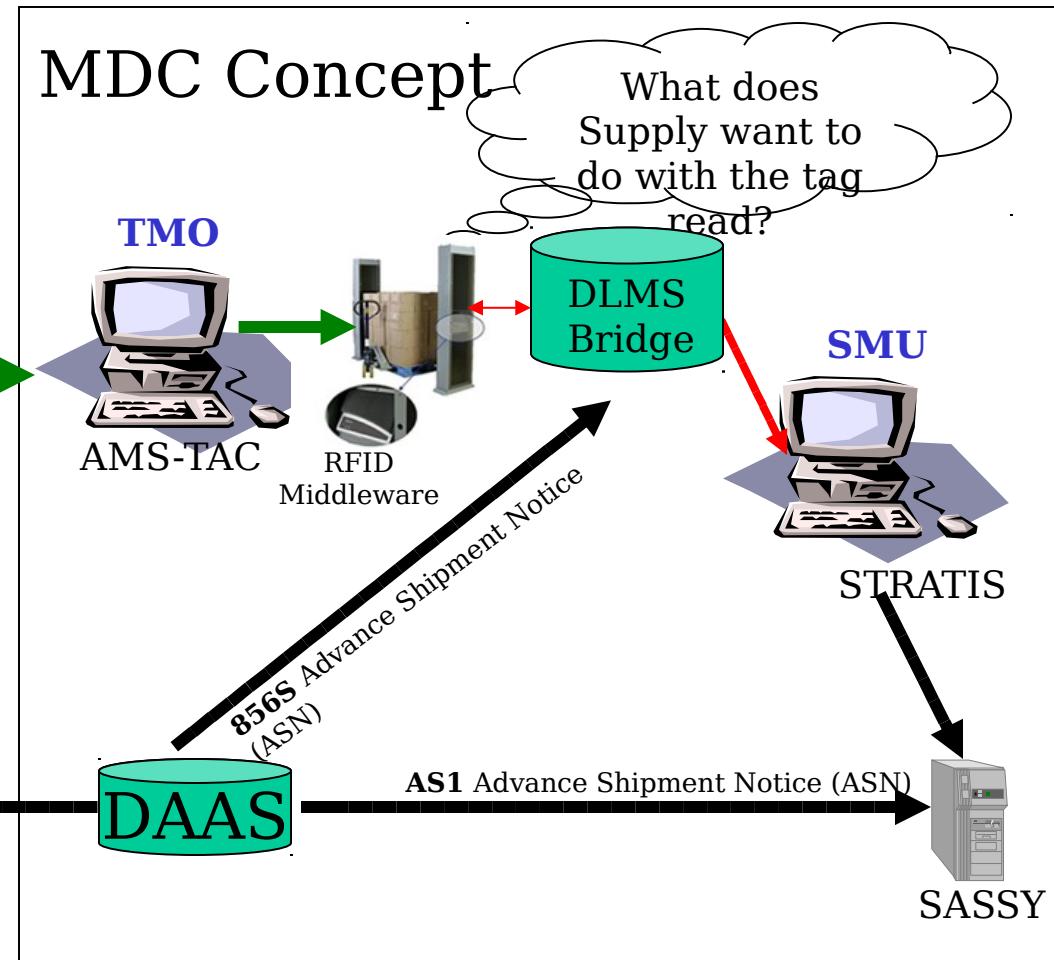
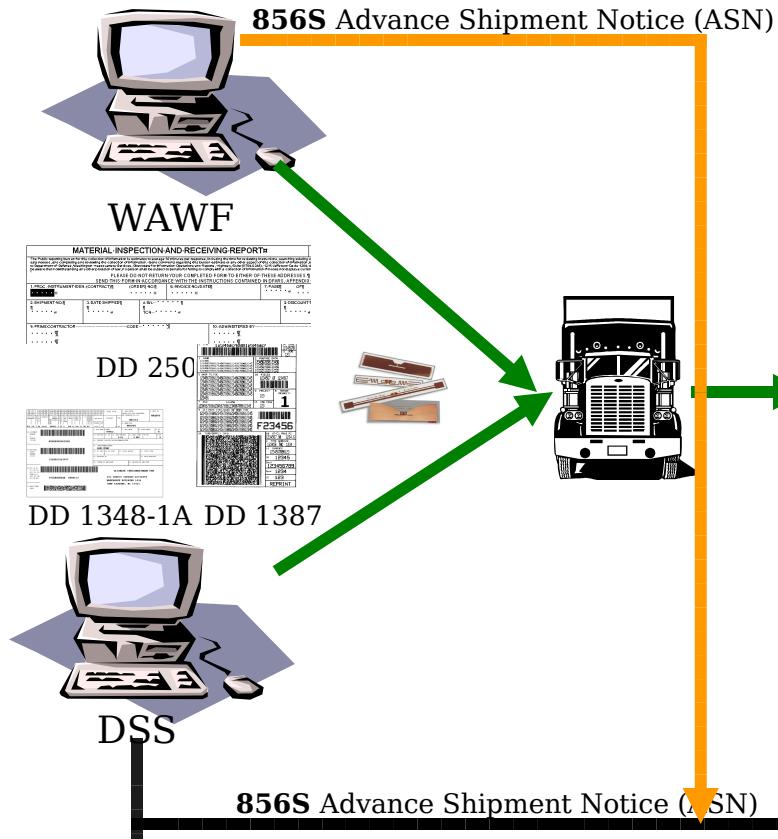


Material Flow
Electron Flow



On-going AIT Initiatives

Passive RFID Flow (SMU Only)



Material Flow
Electron Flow



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ITV Initiatives

- **Serial Shipping Container Code ((SSCC))** see handout)
 - DoD policy requires that the DoD ITV system (GTN) and source systems accommodate SSCC by Feb 2007
 - Includes DSS, **CMOS**, TC-AIMS II, GATES, **AMS-TAC**, and MDSS II
 - SSCC is an 18-digit identifier that is the international equivalent of the DoD TCN
 - Codified in NATO Standardization Agreement
 - Accommodation of SSCC in the DoD TCMD will;
 - Reduce re-orders and lift requirements
 - Reduce ITV infrastructure costs
 - Provide better warfighter support
 - USJFCOM is working with coalition partners to use or accommodate the SSCC



Questions

